

## **Historic, Archive Document**

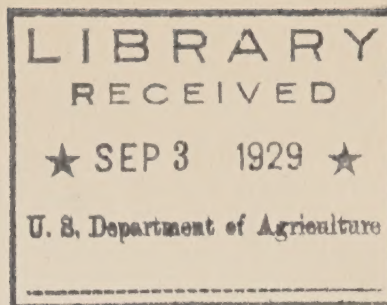
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July 1  
1929



Dr. A. F. Woods,  
Director of Scientific Work and Graduate School,  
United States Department of Agriculture.

Dear Doctor Woods:

Following is the Annual Report of the Graduate  
School of the Department of Agriculture for 1928-29:

The School opened with the week beginning October  
15, 1928, and the last class was held June 18, 1929.

Fifteen courses were offered and 11 conducted,  
that is 7 graduate courses and 4 undergraduate courses.  
Of the graduate courses 4 consisted of 2 semesters and  
3 of 1 semester, and of the undergraduate courses all  
4 were offered as 2 semester courses, but 2 were dis-  
continued after the first semester because of insuffi-  
cient demand. The graduate courses conducted were--

Soil genesis, classification, and erosion, 1 semester  
Plant genetics, 1 semester  
Plant physiology, 2 semesters  
Scientific instruments and their use, 1 semester  
Advanced statistical methods, 2 semesters  
Prices and Price Relationships, 2 semesters  
History of American Agriculture, 2 semesters

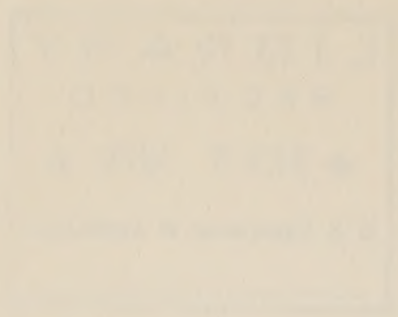
The undergraduate courses were--

Elementary statistical methods, 2 semesters  
Scientific French 1 semester  
Intermediate scientific German, 1 semester  
Russian, 2 semesters

The courses offered but not given owing to lack of  
students were--

Review of mathematics  
Principles and practices in agricultural cooperation  
Poultry husbandry  
Commercial Spanish





THE [illegible] OF [illegible] [illegible]

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The number of students this year was 226, as compared with 218 last year and 111 the preceding year.

Of the 7 graduate courses 5 were self-supporting and 2 had a deficit, and of the 4 undergraduate courses 1 was self-supporting and 3 had a deficit.

The following is a detailed record of each course, including the title, name or names of instructors, dates of opening and termination, number and names of students registered for each semester, total tuition received, amount paid to instructors, and balance or deficit:

(1) ADVANCED STATISTICAL METHODS

Began October 16, 1928, and  
ended June 6, 1929.

Instructors, H. R. Tolley and  
M.J.B.Ezekiel

<u>First semester</u>	<u>Second semester</u>
Booth, Eleanor	Hunter, Byron
Nelson, Fred E.	Wells, Oris V.
Johnson, Ernest R.	Booth, Eleanor
Joy, Aryness	Vipond, A. Stuart
Brunstetter, B.C.	Brunstetter, B.C.
Watson, George D. Jr.	Nelson, Fred E.
Konig, Paul L.	Borden, Hazel
Wildman, J.D.	Willoughby, Isla
Flury, H.	Steely, Edna V.
Mourhess, C.A.	Kurtz, Wm. J.
Vipond, A. Stuart	Watrous, Geo.D., Jr.
Kurtz, Wm. J.	Ashmun, R.N.
Ashmun, R.N.	Gries, Caroline G.
Clements, V.A.	Repetti, Ann
Johnson, Lester D.	Joy, Aryness
Steely, Edna V.	Moosman, David
French, Gardner M.	Ratcliffe, Harry E.
Moosman, David	Culbertson, Viola
Ratcliffe, Harry E.	Chunn, Mrs. M.E. (Smith)
Culbertson, Viola	Wildman, J.D.
Reineke, Lester H.	Frazier, Margaret
Feldkamp, Caroline G.	Cavanaugh, J.L.
Willoughby, Isla	Gerdes, F.L.
Frazier, Margaret	Christy, D.F.
Nelson, Fred E.	Way, Elwood J.
Kifer, Mrs. H.B.	Fetrow, Ward W.





Gerdes, F. L.	Campbell, Carlos
Betts, Ronald E.	Burr, Susan S.
Strang, Peter M.	Betts, Ronald E.
Fetrow, Ward W.	Hembree, Joel F.
Hembree, Joel F.	Hicks, John A.
Nebeker, Helen R.	Holmes, Irvin
Cavanaugh, J.L.	Royston, Reginald
Chunn, (Mrs.M.E.Smith)	Gallagher, Edw.C.
<u>Wray, Elwood J.</u>	
Number registrants	Number registrants
35	34
Total tuition.....	\$895
Total salaries, alternate instructors.....	<u>300</u>
Balance.....	595

## (2) PLANT GENETICS

Began October 15, 1928, and  
ended February 6, 1929  
Instructor, Prof. W.B.Kemp

<u>First semester</u>	
Westover, H. L.	
Skeels, H. C.	
Wellington, J.W.	
Cole, John S.	
Beattie, J.H.	
Peacock, Walter M.	
Thomas, W. H.	
Kephart, L.W.	
Timtchemke, Boris	
Flury, H.	
Morrison, E.Y.	
<u>Reineke, Lester H.</u>	
Number registrants	
12	
Total tuition.....	\$180
Salary.....	<u>150</u>
Balance.....	30

## (3) PRICES AND PRICE RELATIONSHIPS

Began October 15, 1928, and  
ended May 24, 1929.  
Instructors, M.J.B.Ezekiel and  
Warren C. Waite.





<u>First semester</u>	<u>Second semester</u>
Fielder, R.	Lyerly, Esther
Konig, Paul	Smith, Lucy B.
Burmeister, Chas.A.	Hamilton, T.R.
Lanham, W.B.	Cope, Mrs. B. M.
Cheatham, R.J.	Harrison, L.M.
Lyerly, Esther	Andrews, M.E.
Harrison, L.M.	Braun, G.E.
Andrews, M.E.	Thompson, Lili K.
Mathewson, Margaret	Cheatham, R.J.
Ransdell, C.G.	Burmeister, Chas.A.
Hamilton, T.R.	Peterson, A.G.
Braun, C.E.	Hale, Roger F.
Wickens, David.L.	Fiedler, R.
Thompson, Lila K.	
Smith, Lucy B.	
Kuhrt, W.J.	
Heffner, Edna N.	
Wells, Oris V.	
Clement, C.E.	
Aanestad	
Moore, Ruth R.	

<u>Number registrants</u>	<u>Number registrants</u>
21	13
Total tuition.....	\$425.50
Total salaries.....	<u>300.00</u>
Balance.....	125.50

#### (4) HISTORY OF AMERICAN AGRICULTURE

Began October 16, 1928, and

ended May 28, 1929

Instructor, Mr. Everett E. Edwards

<u>First semester</u>	<u>Second semester</u>
Hull, Harriet B.	Carpenter, Mary F.
Carpenter, Mary F.	Thompson, Esther K.
Wickens, David L.	Hull, Harriet B.
Jennings, R.D.	Cooper, Maurice R.
Cooper, Maurice	
Thompson, Esther K.	
Aanestad, A.P.	
Bradley, Mary A.	
<u>Number registrants</u>	<u>Number registrants</u>
8	4
Total tuition.....	160
Total salary.....	<u>300</u>
Deficit.....	140



## (5) PLANT PHYSIOLOGY

Began October 20, 1928, and

ended May 18, 1929

Instructor, Dr. Burton E. Livingston

<u>First semester</u>	<u>Second semester</u>
Cole, John S.	Gill, L.S.
Hayes, Doris W.	Morscher, Mary F.
Beattie, J.H.	Waldo, George F.
McKinney, H.H.	Cole, John S.
Yerkes, Guy E.	Bowman, J.J.
Driscoll, Stephen J.	Wright, R.C.
Welton, Kenneth	Yerkes, Guy E.
Karrer, Annie May	Beattie, J.H.
Peterson, P.D.	Chatfield, Charlotte
Wright, R.C.	Driscoll, Stephen J.
Bowman, J.J.	Jackson, L.W.R.
Gill, L.S.	Whiteman, T.M.
Fate, Leston R.	Siegler, E.A.
Brunstetter, B.C.	
Reineke, Lester H.	
Whiteman, T.M.	
Jackson, L.W.R.	
Chatfield, Charlotte E.	
Number registrants	Number registrants
18	13
Total tuition.....	\$415.00
Salary.....	300.00
Travel Baltimore-Washington.....	161.28
Deficit.....	46.28

## (6) SOIL GENESIS; CLASSIFICATION, AND EROSION

Began December 17, 1928, and ended March

6, 1929

Instructor, Dr. Curtis F. Marbut

<u>First semester</u>
Hollowell, E.A.
Gould, H.P.
Willis, Edward A.
Frissell, Sydney
Jones, Lewis A.
Baker, O.E.
Clements, V.A.





Erdmann, C.E.  
 Ninman, H.J.  
 Baldwin, Mark  
 Glassey, Theodore  
 Winant, H.B.  
 Dunnewald, T.J.  
 Latimer, W.J.  
 Tharp, W.E.  
 Denison, I.A.  
 Anderson, A.C.  
 Russell, Paul G.  
 Morgan, Robert E.  
 Kerr, Gerald M.  
 Falck, Depue  
 Perkins, S. O.  
 Layton, M.H.  
 Wintermeyer, A.M.  
 Simmons, Charles S.  
 Hill, Robert R.  
 Goke, Alvin W.  
Johnston, C.M.

Number registrants

23

Total tuition.....	\$398.50
Salary.....	150.00
Balance.....	248.50

(7) SCIENTIFIC INSTRUMENTS AND THEIR USE

Began January 29, 1929, and ended

May 9, 1929

Instructors, 22 instructors--15 of whom were from the Bureau of Chemistry and Soils, 3 from the Weather Bureau, 2 from the Bureau of Plant Industry, 1 from the Bureau of Standards, and 1 from the Patent Office--as follows:

Dr. N.A.Cobb	E.T.Wherry
E.G.Artzberger	E.P.Clark
R.T.Balch	W.C.Holmes
Edw.F.Snyder	T.D.Jarrell
R.W.Frey	E.K.Nelson
E.P.Bartlett	P.H.Emmett
S.B.Hendricks	A.R.Mertz
O.R.Wulf	C.H.Kunsman
S.P.Ferguson	L.E.Dawson
E.R.Weaver	H.H.Kimball
B.C.Kadel	H.C.Parker





First semester

Bacon, C.W.  
 Liddel, Urner  
 Krumboltz, Orus  
 Walter, John E.  
 Fort, Charles A.  
 Hardy, J.I.  
 Yongue, N.E.  
 Fulton, H.R.  
 Wilson, James H.  
 Baker, Mrs. Julia M.  
 Tennyson, Joseph  
 McCoy, John M

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Number registrants

12

Total tuition.....	\$180
Total salaries.....	150
Balance.....	30

(8) ELEMENTARY STATISTICAL METHODS

Began October 15, 1928, and  
 ended May 31, 1929

Instructors, Mr. C. F. Sarle and  
 Mr. S. R. Newell

First semester

Bernard, Frank  
 Smith, Sibel  
 Poos, Fred W.  
 Reynolds, Susie E.  
 Poston, Irene B.  
 Smith, Margaret C.  
 Gates, Mrs. Meda K.  
 Baird, Frieda  
 Gould, J. Sidney  
 Marshall, George  
 Weigel, C. A.  
 Atkeson, T.C.  
 Hayes, Mary C.  
 Golden, Marguerite F.  
 Hampton, Julia A.  
 Kinney, A.H.B.  
 Johnson, Fred F.  
 Worner, Ruba A.  
 Gray, Margery L.  
 Roosa, Eleanor M.  
 Brown, May H. (Ch.A.S.)

Second semester

Frank, Bernard  
 Gries, Bessie M.  
 Viemont, Bess M.  
 Lentz, Mrs. Florence  
 Porter, Mildred B.  
 Gray, Margery L. (Lanier)  
 Porter, Mrs. Anna J.  
 Gates, Mrs. Meda K.  
 Reinhart, Charlotte S.  
 Searce, Miss Jane L.  
 Yerkes, Guy E.  
 Kinney, A.H.B.  
 Poos, Fred W.  
 Bryson, Esther B.  
 Porter, B.A.  
 Atkeson, T.C.  
 Hanley, J.H.  
 Hardin, Robert  
 Poston, Irene B.  
 Hayes, Mary C.  
 Stewart, Mrs. J.B.



Porter, Mildred B.	Smith, Margaret C., Mrs.
Byler, Mabel	Reynolds, Susie E.
Young, Stella J.	Jordan, Bernice C.
Hyort, Hilma C.	Hutchinson, Marguerite J.
Terwillinger, Lillian E.	Baird, Frieda
Miller, Marian Spiers	Webb, Betty
Porter, Anna J.	Veatch, Roy
Lentz, Florence	Young, Stella J.
Hutchinson, Marguerite	Byler, Mabel
Reinhart, Charlotte	Wilson, John L.
Scanlan Mary Monica	Weigel, C.A.
Furry, Margaret S.	Edwards, Archie C.
Malamphy, Grace C.	Jamison, Ruby
Malamphy, Mary A.	Doran, L.L.
Jamison, Ruby	Worner, Ruba A.
Buckler, Magdalen T.	Furry, Margaret S.
Chubb, Ernestine	Stancill, Sarah K.
Viemont, Bess M.	Malamphy, Mary A.
Morscher, Mary F.	Malamphy, Grace E.
Quast, T.	Terwillinger, Lillian E.
Unrue, Addie	Hyort, Hilma C.
Wiser, Ralph L.	Buckler, Magdalen T.
Stancill, Sarah K.	
Webb, Betty	
Veatch, Roy	
Doran, L.L.	
Hardin, Robert	
Wilson, John L.	
Jordan, Bernice P.	
Gries, Bessie M.	
Number registrants	Number registrants
51	43
Total tuition.....	\$1,200
Total salaries.....	530
Balance.....	690

## (9) SCIENTIFIC FRENCH

Began October 15, 1928, and

ended January 31, 1929

Instructor, Dr. H.B.Humphrey

<u>First semester</u>	<u>Second semester</u>
Swain, Esther M.	
Gill, L.S.	Withdrawn
Waldo, George F.	
Weisberg, S. M.	
Taylor, Gwendolin	





Total tuition.....	\$ 75
Salary.....	<u>150</u>
Deficit.....	75

## (10) INTERMEDIATE SCIENTIFIC GERMAN

Began October 16, 1928, and  
ended February 14, 1929

Instructor, Dr. Charles Drechsler

<u>First semester</u>	<u>Second semester</u>
Morrison, E.Y.	
Siegler, E.A.	
Ellis, Marjorie H.	Withdrawn
Sherfy, Miss C.B.	
Jones, Myrna F.	
Potter, Margie	
<u>Ryerson, K.A.</u>	
Number registrants	
7	
Total tuition.....	\$105
Salary.....	<u>150</u>
Deficit.....	45

## (11) ADVANCED RUSSIAN

Began October 18, 1928, and  
ended June 18, 1929

Instructor, Dr. C. H. Leineweber

<u>First semester</u>	<u>Second semester</u>
Connolly, Helen L.	Swallen, J.R.
Oseniak, Mary	Feldkamp, Cora L.
Hawks, Emma	Hawks, Emma
Feldkamp, Cora L.	Bien, Corabel
Swallen, J.R.	Zeimet, Carlos
Knappen, Phoebe	
<u>Zeimet, Carlos</u>	
Number registrants	Number registrants
7	5
Total tuition.....	\$160
Salary.....	<u>300</u>
Deficit.....	140





## SPANISH

Course withdrawn because of lack of  
students.

Tuition received and refunded.....\$30

The total receipts for the 1928-29 school  
year were.....\$4,430.79  
The total expenditures were..... 3,166.42  
Balance this school year..... 1,264.37

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The following is the School's

FINANCIAL STATEMENT FOR THE YEAR  
ENDING JUNE 30, 1929

Receipts:

Balance June 30, 1928.....	\$4,329.69	
Tuition for 1927-28, received after books were closed.....	5.00	
Tuition for 1928-29.....	4,244.00	
Interest on Government bonds.....	127.50	
Mimeographed sets statistical lect's	28.00	
Interest on bank deposits.....	<u>26.29</u>	\$8,760.48

Expenditures:

For purchase Government bonds.....	3,072.42	
Rental safety-deposit box for bonds.	3.00	
Honorarium to Arthur E. Ashley, lect..	50.00	
Refund of tuition.....	148.50	
Treasurer's bond.....	5.00	
Stencils for statistical lectures...	18.64	
Travel, Dr. Livingston, Balto-Wash...	161.28	
Salaries of instructors.....	<u>2,780.00</u>	<u>6,238.84</u>
Cash balance.....		2,521.64
Government bonds.....		<u>3,000.00</u>
Total assets.....		5,521.64

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In order to get light on such of its benefits as could to some extent be measured a survey of the Graduate School from the time of its establishment in 1921 up to and including the school year of 1927-28 was made by means of a questionnaire sent out under date of May 23 to the 766 students who registered in the School during that period. The questions asked in this communication covered title of course or courses and year taken; benefits derived through increased efficiency, and promotion to higher grade of work and higher salary; whether certificates were filed with any educational institution, and if so name of institution, credit received, and degree toward which credit was applied. Comments on the value of the school and suggestions regarding courses, etc., were invited.

The following statement summarizes the data brought together by research in connection with and by the questionnaire:

Number of students registered from	
1921 to 1927-28, inclusive.....	766
Sources from which the students	
were drawn:	
Bureau Agricultural Economics.....	225
Bureau Plant Industry.....	137
Bureau Chemistry and Soils.....	72
Bureau of Entomology.....	39
Bureau Animal Industry.....	38
Fixed Nitrogen Laboratory.....	23
The city of Washington.....	22
Plant Quarantine.....	20
Extension Service.....	20
Bureau of Dairy Industry.....	20





Library of Department.....	19
Forest Service.....	17
Bureau of Home Economics.....	17
Geological Survey.....	16
Bureau of Public Roads.....	10
Bureau of Biological Survey.....	8
Maryland.....	8
Census Bureau.....	7
Department of Commerce.....	7
Treasury Department.....	6
Office of Information.....	6
War Department.....	4
Tariff Commission.....	4
Weather Bureau.....	3
Food, Drug, and Ins. Adm.....	2
Smithsonian Institution.....	2
Surgeon General's Office.....	2
Personnel and Business Adm.....	1
Colorado.....	1
Interstate Commerce Commission.....	1
Veterans' Bureau.....	1
Government Printing Office.....	1
Red Cross.....	1
Public Library.....	1
U.S. Chamber of Commerce.....	1
Department of Labor.....	1
Federal Trade Commission.....	1
D.C. Health Department.....	1
Children's Bureau.....	1
U.S. Shipping Board.....	<u>1</u>

Total number questionnaires sent out 766

Returned answered..... 348

Undelivered..... 32

marked resigned..... 62

appt. terminated..... 14

deceased..... 6

retired..... 1

Total number returned..... 463

Balance out..... 303

The following is a summary compiled from the returns from the questionnaire:



Question	Yes	No	Per- haps	Unans- wered	To- tal
Have you derived any benefit from the course or courses from the standpoint of--					
(1) Increased efficiency.....	269	10	22	47	348
(2) Advanced work.....	58	135	16	139	348
(3) Increased salary.....	54	128	20	146	348
(4) Other benefits.....	183	7		158	348
Have you applied for and received credit from any college or university for course or courses taken .....	58				
Comments regarding value of school or suggestions regarding courses or both.....	191			157	348

## Institutions in which credits were filed:

George Washington University..	26
American University.....	11
University of Maryland.....	7
University of Minnesota.....	3
Ohio State University.....	2
University of Wisconsin.....	2
Yale University.....	1
University of Chicago.....	1
Johns Hopkins University.....	1
Louisiana State University....	1
University of North Dakota....	1
Washington State University...	1
Cornell University.....	1
	<u>58</u>

## Degrees toward which credits applies:

Ph D.....	22
M.A.....	7
M.S.....	14
B.A.....	6
B.S.....	9
	<u>58</u>





One of the outstanding features of the returns from these questionnaires is the deep interest manifested in the School and the practically unanimous high regard expressed in the comments submitted.

The returns are still slowly drifting in so that the foregoing is a complete record of the questionnaire only to July 1. They are being filed alphabetically and made part of the permanent record of the School.

The plan is to send the same questionnaire next May to the students of 1928-29, and if this policy is carried out year after year there will be an interesting, useful, and practically up-to-date record of the school on file.

For the mutual benefit of administrative officers and the students who endeavored to increase their efficiency by availing themselves of the advantages of the School it is planned to furnish the Chief of each branch of the Department with a list of those of his force who have taken a course or courses since the beginning of the School year of 1926-27, together with title of course and grade received, and to furnish a similar list after the close of each subsequent school year.

As a further record it may be said that during the year--

The number of announcements prepared was.....	4
The number of announcements distributed, about 9,000	
Number of record cards made out to show name	
and address of student, course taken, amounts	
and dates of tuition paid, and grade.....	226
Receipts for tuition.....	332
Letters received.....	152
Letters written.....	363
Certificates furnished.....	39

Yours very truly,

*Nellie E. Fealy*

Secretary, Graduate School.

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